

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the claims:

Claim 1-2 (canceled)

Claim 3 (currently amended) ~~The tire of claim 1 wherein~~ A tire for mounting on a wheel rim, comprising:

an integral homogenous toroidal body having a pair of spaced-apart radially extending sidewalls and a cross member, each said sidewall having a first and a second end and an internal face and an external face, with the second end of each of the sidewalls integrally merging into the cross member;

a set of rim-engaging surfaces at the first end of each of the sidewalls;

at least one road-engaging surface on an external surface of the cross member; and

an annular chamber defined by the internal faces of the sidewalls and an internal top wall on the cross member opposite the at least one road-engaging surface;

wherein the set of rim-engaging surfaces comprises a thickened portion at the first end of each of the sidewalls, the respective thickened portions being

a thickened area at the first end of each of the sidewalls, the thickened area including the rim-engaging surfaces which are compressed into engagement with a rim when the tire is mounted in compressed into engagement with a rim when the tire is mounted on the rim;
wherein

the external face of each of the sidewalls is curved concavely when viewed from outside the annular chamber.

Claim 4 (previously amended): The tire of claim 3 wherein the internal face of each of the sidewalls is curved concavely when viewed from the annular chamber.

Claim 5 (previously amended): The tire of claim 3 wherein the thickness of the sidewall varies by more than 10%.

Claim 6 (previously amended): The tire of claim 3 wherein the road-engaging surface of the cross member has a convex curvature across a width of the cross member when the tire is

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unloaded and viewed from outside the annular chamber.

Claim 7 (previously amended): The tire of claim 6 wherein the cross member has a generally constant thickness.

Claim 8 (previously amended): The tire of claim 3 wherein the tire body is homogeneously formed from an elastomeric material.

Claim 9 (original): The tire of claim 8 wherein the elastomeric material is selected from a group consisting of: natural rubber, modified rubbers, urethanes and polyurethanes.

Claim 10 (original): The tire of claim 8 wherein the tire body is compressionally conformed when mounted in the rim such that it is circumferentially anisotropic.

Claims 11-24 (cancelled)